

GLOBE ALUMNI NORTH AMERICA

Student Research Connections

GLOBE-NSTA Partner Meeting

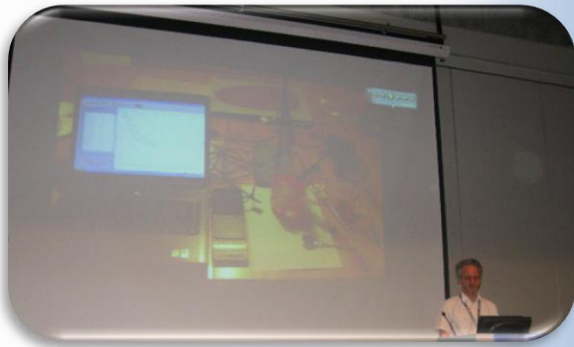
San Francisco, California

3.16.2011

Matthew Fenzel; Louisville, KY, USA

“A ‘graduate’ of The GLOBE Program who willing to volunteer their time to contribute to the success and sustainability of GLOBE.”







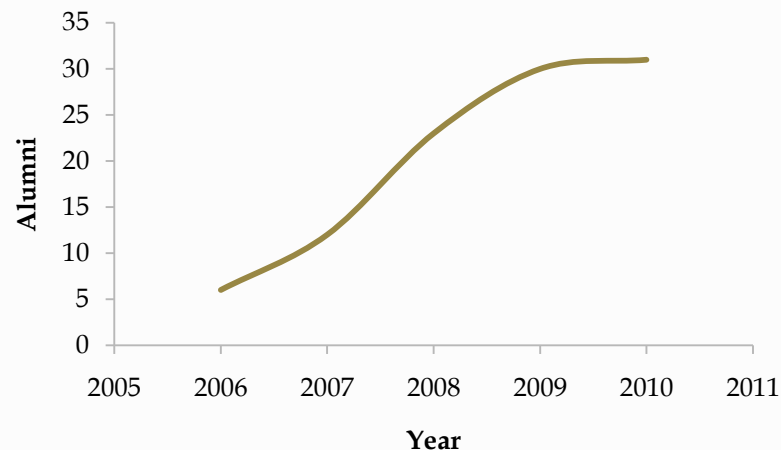
2010-2011 Progress Report



- 32 members
 - States Represented: Alaska, California, Colorado, Indiana, Kentucky , North Carolina, Ohio, Puerto Rico, Pennsylvania, Virginia,

Activity Summary

- Small Projects/Events
 - Environmental Events
 - Participating in GLOBE Web events
 - Website development
 - Sri Lanka GLOBE Alumni development
 - Kiev GLOBE Presentation
- Larger Projects
 - GS-Pals-Next Generation
 - LAC & NA Collaborative Project
 - NGO-Incorporation
 - Business Plan, Mission, Vision



GS-PAL

- Currently:
 - 8 schools
 - Major Collaborations
 - Cameroon-Switzerland
 - Peru-Alaska
- Future
 - Expand GS-Pal participation
 - Model Activities to Peru-Alaska Success
 - Greater Scientist involvement



<http://gspal.freehostia.com/>



GS-PAL

IPY Oslo Science Conference 2010

- Through UAF, ARC, SAB, and GLOBE, presented GS-Pal Activity at Oslo Science Conference and Polar Teacher Workshop



GS-Pal Poster session @ Oslo Science Conference. Visitor included Dr. David Carlson (IPY Director,) SAB Teachers, and Dr. Elena Sparrow!

Poster Number
1382

Young Adults Promoting IPY and Scientific Education Through Ambassadorship, Volunteering, and Modern Web Technologies

GLOBE ALUMNI ORGANIZATION
Fenzel, Matthew, Kentucky, USA
Tunkl, Tomáš, Prague, Czech Republic

Introduction
As the world continues to become increasingly interconnected, we have realized there is a need to provide meaningful educational experiences in classrooms to engage students from local and regional issues can have a global impact and how collaborative efforts can help better understand the effects.

Background!
As Alumni former students of the internationally renowned science education GLOBE (Global Learning and Observations to Benefit the Environment) Program, the GLOBE Alumni Organization, a volunteer organization, has committed to assist scientists, educators, teachers, and local municipalities all over the world to create unique learning opportunities for students to have a better grasp on how understanding Earth as a system is fundamental to solving many of the current global issues. This is performed through involvement in projects such as GLOBE Classes, GLOBE Learning Expedition, testing workshops, attendance in Annual and Regional meetings, and now involvement in GLOBE's Climate Change Campaign.

The GLOBE Alumni were assisted by two programs during the promotion of IPY and the GS-Pal Project.
First, was through the GLOBE Program, which is an international inquiry-based primary and secondary science and education program sponsored by United States federal organizations NASA, NOAA, NSF, and U.S. Dept. of State. Secondly, the Alumni have also formed a partnership with the GLOBE's Earth System Science Project: Seasons and Biomes (SAB) which was developed under the University of Alaska Fairbanks International Arctic Research Center (IARC) in order to educate students on annual seasonal variations especially those in relating to impacts in Polar Regions.

As an ambassador of the International Polar Year (IPY) and Seasons and Biomes (SAB), the Alumni have helped to spread awareness of how what happens in polar regions affects all regions and vice versa. As IPY Ambassadors, Alumni provide literature, speak to students/community members and give presentations about IPY. Alumni provide training and incorporate activities of the GLOBE Earth System Science Project, SAB. The work continues through a web-based GLOBE School (GS) Pal Project.

GS-PALS BACKGROUND!
GS-Pals was developed in conjunction with SAB, serving as IPY Ambassador, and the GLOBE Program's Student Research Campaign. This project implements modern technologies on a simple web platform to bring students, scientists and alumni together to collaborate on activities, events and research projects. Complete website such as:

[Facebook](#) [YouTube](#) [eXtremeWeb](#) [Google Maps](#)

They have been combined with simple web communication technologies such as chatting, forums, and even video conferencing to create an exciting platform for students to exchange information with.

Collaborative Example
In 2008, GS-Pals connected students in a school in Lowell, Switzerland (47.4428 N, 9.1379 E) to those at a school in Belém, Cameroon (0.48 N, 10.42 E) to discuss differences in regional temperature and how each local area affects other regions and vice versa.

In 2010, GS-Pals is connecting schools in Lima, Peru and Fairbanks, Alaska to do a complete study on migration birds early in each region.

GS-Pals is a unique learning environment for students to collaborate with their peers from around the world to better understand global issues as well as each other's culture thus creating international relationships. The Spring/Summer 2010 Activity, which is an exploration of the seasonal indicator in local environments and rural schools, scientists, and citizens for this project. It is especially critical to have students in the Polar regions researching their seasonal indicator and contextualizing their research with students in other biomes. It is essential to building an understanding among our student that what is happening in the Polar region is a worldwide phenomenon that could happen in their regions.

Conclusions, Recommendations
The initial two years of GS-Pals gave way to tremendous possibilities in terms of student experience on collaborative research projects with comprehensive focuses surrounding environmental, social, and even cultural differences. Narrowing the scope on how changes occurring in different regions and biomes around the world can impact others, allows students to see the relationship of Earth as a complete system. Placing emphasis on sensitive as well as less sensitive areas, such as the Polar regions, will create awareness in other regions of the world. Furthermore, this project contributes to the founding vision of GLOBE Alumni to support the GLOBE Program's collaborative activities, while also enhancing student experience, and providing Environmental Awareness.

Author Contact Information:
matthew.fenzel@globealumni.org
www.globealumni.org

Figure 1: GS-Pal Poster Session
A 100% web-based GS-Pal Project.



2011 Future Directions

- Student Research Connections

- GS-PAL

- Expansion
 - Social Network Integration

- Student Research Climate Change Campaign

- Greater emphasis on Local Projects

- Greater Teacher/Student communication

- Along with GPO/Partner communication

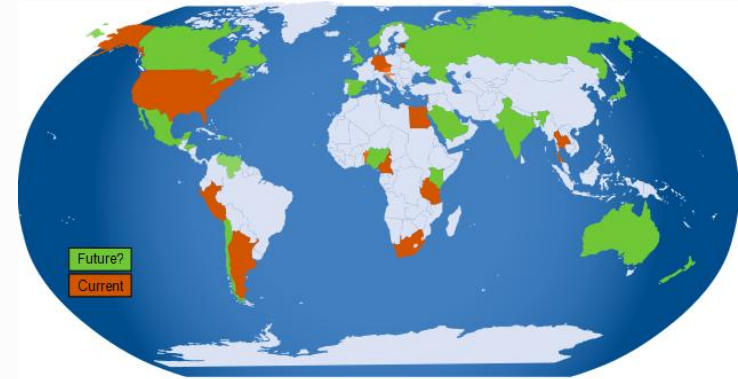
- Branding Alumni Organization

- Logo



- Events Calendar(globealumni.com)

- Alumni Leadership Restructuring



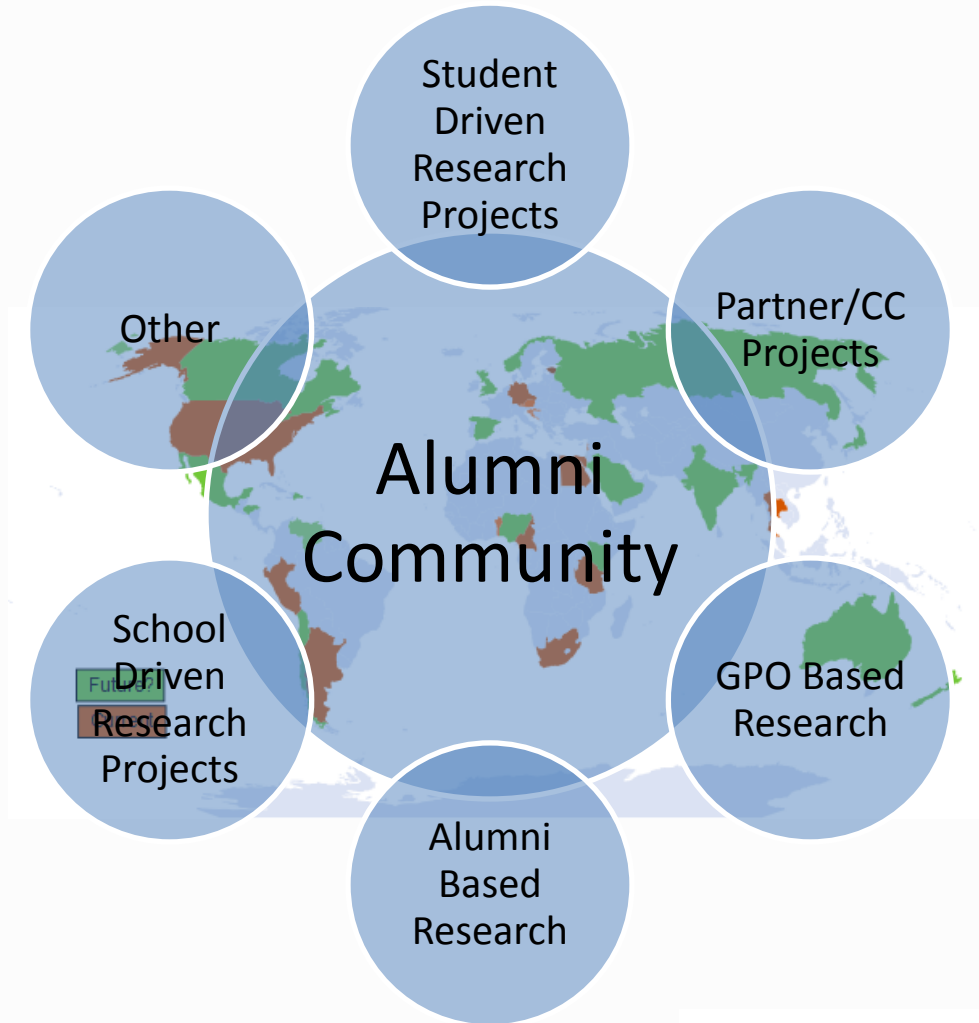
Closing Marks!



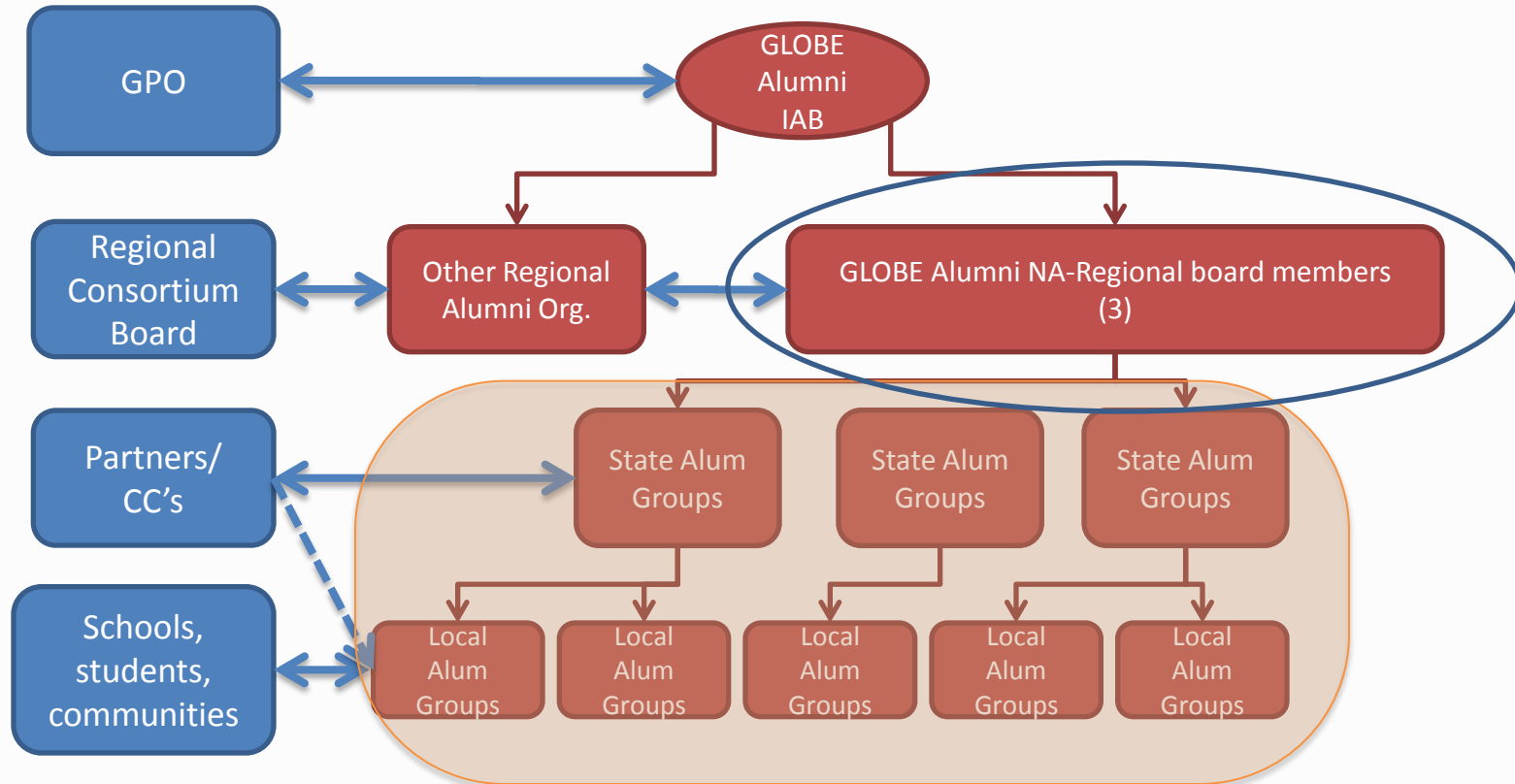
Hope to hear from you soon!



Student Research Connections



NGO Structuring



2011 Restructuring

- Greater Independency
 - NGO-Activity Based
- International
 - Marketing Strategies
 - Event Coordination
 - Recruitment Plans
- Local
 - Initiatives

The GLOBE Program
Global Learning and Observations to Benefit the Environment
An International Environmental Science and Education Partnership

Félicitations aux Premiers GLOBE !
Nous sommes ravis à l'idée de vous adresser une invitation de joindre la toute récemment créée Organisation des GLOBE Alumni de l'Afrique Sub-saharienne. Après approximativement 15 années de prospérité du Programme GLOBE, plusieurs participants du Programme ont été admis dans les écoles supérieures ou travaillent maintenant dans les milieux professionnels et de ce fait ont été séparés du Programme. Cette Organisation pense construire un réseau de ceux qui aimeraient encore contribuer pour le GLOBE et en addition créer des initiatives au niveau du pays, de la région, ou international pour continuer à assister les Professeurs et élèves GLOBE.

La Vision des GLOBE Alumni indique que : « L'Organisation GLOBE Alumni est un corps de volontaires dévoués à servir le Programme GLOBE. Les Alumni supportent et assistent les Coordonnateurs Nationaux, les partenaires, Professeurs, Elèves, et les communautés dans leur implémentation et expansion du Programme GLOBE et co... »

GLOBE Alumni of North America

Alumni From North America:

- Countries
 - Canada
 - United States of America

Who are we?
We are "graduates" of The GLOBE Program in North America who are willing to volunteer time towards the continued success of the program through assistance in: Interregional and International partnerships between schools, educators, and students.

- Student Research
- Training Workshops
- GLOBE Events, presentations, and MORE...

Currently:

- Alumni Recruitment: 30+ members
- Projects:
 - Training Workshops
 - GLOBE School Fair
 - Environmental Workshops
 - Student Mentors
 - GLOBE Grants

Why Join?

- Continue to work on exciting GLOBE related projects!
- Develop Workforce skills
- Help provide ideas and projects to GLOBE Students!
- Great Volunteer experience
- Work with other Alumni on a regional and international level
- Build a worldwide networking opportunity of friends, business colleagues, opportunities, and more!!

SIGN UP TODAY!!! or
Contact:
na-alumni-regionalrep@globe.gov

*Must be high school graduate to join.

Facebook | GLOBEalumni Benin

Globealumni Benin

Wall Info Pl

Write something...

Attach:

Send Globealumni a Message
Poke Globealumni

This group is mainly for BENIN GLOBE alumni - students that have graduated from secondary school and still willing to contribute to the GLOBE program.

Information

Birthday:
July 2, 1979

Current City:

RECENT ACTIVE

- Globealumni
- Globealumni

Globealumni is now friends with Martos Hoffman and 2 other people.

Globealumni Benin The July 3rd 2010, the Benin Republic GLOBE Alumni organized their 1st General Assembly which were for Constitution adoption and elective purpose. There were an opening ceremony with reading of M. Mark BRETTENNY (the Africa Regional Desk Director) and Marcelin FOGUE TAMSU (the Africa GLOBE Alumni co-representative). Dr...

See More